XL PRO™ VideoProbe®

Remote Visual Inspection
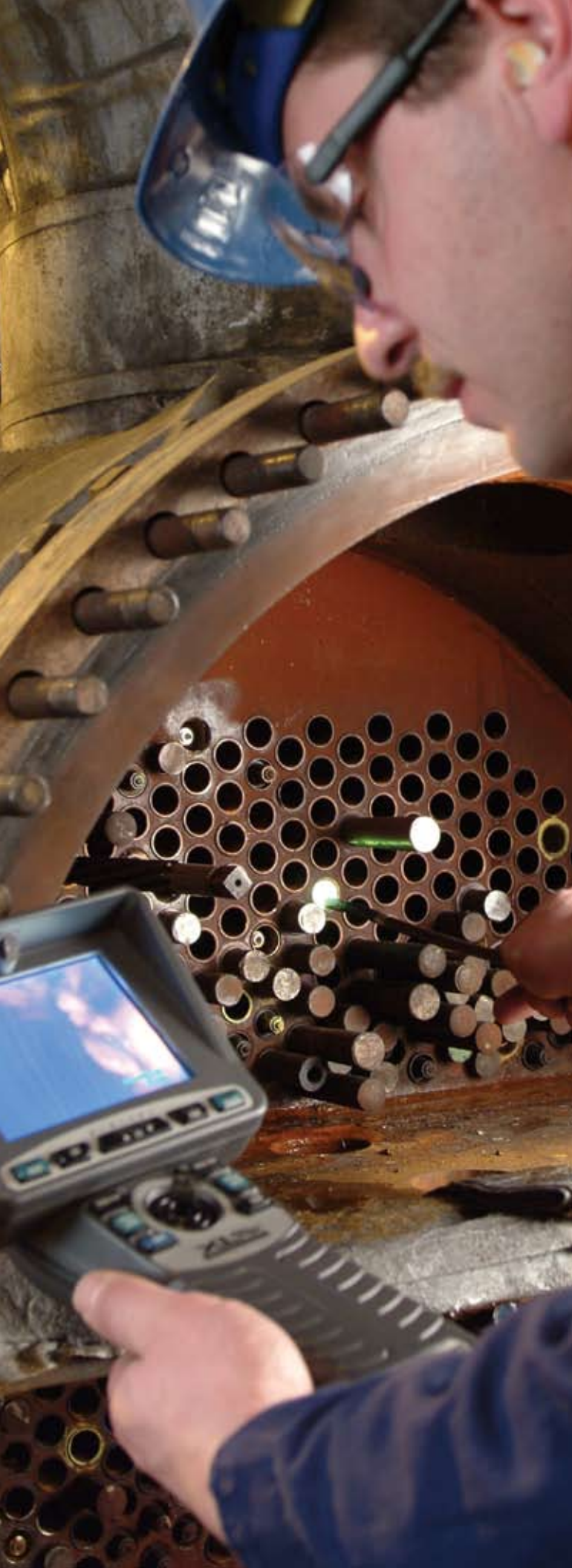
Contents

XL PRO™ VideoProbe®
XL PRO Plus VideoProbe®

Inspecting the GE90 engine with the XL PRO VideoProbe

The XL PRO and XL PRO Plus VideoProbe system are the world's most advanced tools for remote visual inspection. Each XL PRO system is designed to be portable, easy to use and has unparalleled imaging capabilities. Used in a wide range of industry applications, the XL PRO system has become the top choice for remote visual inspection needs at businesses around the world.

XL PRO Features
- 3.5 in. Floppy drive
- 16MB internal Flash memory

XL PRO Plus Features
- Two hours of DVD-format, MPEG2 full-motion video
- CompactFlash® digital storage media
- USB Streaming Video port
- 64MB internal Flash memory

XL PRO Common Features
- Integrated Temperature Warning System
- Probe interchangeability with six diameters available
- Complete portability with AC, DC or battery operation
- The only video borescope with three measurement modes — ShadowProbe®, StereoProbe® and Comparison
- iVIEW™ image management

Hardware Features

A

B

C

D

E

F

G

The world's smallest VideoProbe with StereoProbe® measurement – 3.9 mm diameter. (Shown actual size).

A: Processor / Light Source

The Processor/Light Source combines a brilliant 50 watts of Metal-Halide illumination with a sophisticated computing platform for the XL PRO™ system. It is available in two models with the following features:

XL PRO Plus
- *Removable CompactFlash® data storage for Video and Still images*
- *Full-motion MPEG1/MPEG2 audio/video recording and playback*
- *USB streaming video port*
- *Internal 64MB Flash memory*

XL PRO
- *3.5 in. Floppy drive for still image storage*
- *Internal 16MB Flash memory*

B: Portable Shipping / Operating Case

A unique dual-purpose shipping and operating case protects the XL PRO system from possible transport damage, and doubles as the operating station. Operate the VideoProbe® system in or out of its case.

C: Hand-Piece

The ergonomic Hand-Piece provides one-handed operation with intuitive joystick articulation, large control buttons and a high-resolution color LCD. The innovative Hand-Piece features:

- *Joystick for All-Way articulation and menu control*
- *Shock-mounted LCD monitor*
- *Integrated microphone*
- *Insertion tube torsional strain-relief*
- *Impact-absorbing rubber bumpers*

D: Probe

From the world's smallest borescope with All-Way articulation and StereoProbe® measurement capability – the 3.9 mm diameter – to the 6.2 mm VideoProbe XL PRO system with an internal working channel, our interchangeable probes are built to withstand almost any environment. Ruggedly constructed, the probes are protected by:

- *Titanium camera heads*
- *Quad-wall insertion tube construction*
- *Tungsten braid over entire insertion tube and bending neck*
- *Force-limited, servo-motor articulation*

XL PRO Plus

XL PRO

E: All-Way® Probe Tip Articulation

F: Backpack and PowerBar

For added portability, the XL PRO system can be carried in a backpack and powered by the PowerBar™ battery pack.

G: Portable Case

Easily carry two probes and accessories to your inspection site using portable case options.

Probe Diameters

(shown actual size)

8.4 mm (0.33 in.)

7.3 mm (0.29 in.) with working tool channel

6.2 mm (0.24 in.) with working tool channel

6.1 mm (0.24 in.)

5.0 mm (0.20 in.)

3.9 mm (0.15 in)

System Features

Temperature Warning System

The only video borescope product with an integrated Temperature Warning System to prevent damage and protect your investment. With a Temperature Sensor built into the camera, this system provides three levels of on-screen temperature conditions to prevent damage from high-temperature inspection environments.

Interchangeable Probes

Six diameters available to meet a variety of inspection requirements – 3.9, 5.0, 6.1, 6.2, 7.3, and 8.4 mm.

CompactFlash® Storage

Removable CompactFlash digital storage media for Full-Motion Audio/Video and Still-image capture. Record and playback over 2 hours of MPEG2 video on a 2GB CompactFlash card. Accepts any size CompactFlash Type I card.

USB Video Port

Stream live video from the XL PRO™ Plus to your personal computer for viewing or archiving.

Complete Portability

Go portable with the PowerBar™ battery pack, available DC power kits and two choices of backpacks.

Software Features

Software Capabilities

File management, image documentation, and defect measurement are just some of the advanced features accessible with the iVIEW™ platform.

Pentium®-Class Processor

An embedded Pentium-class processor manages a real-time, multi-tasking software operating system, giving the XL PRO system the power to perform multiple tasks concurrently.

iVIEW™ Image Management Platform

The XL PRO™ VideoProbe® system is powered by Everest RVI Products and Services exclusive iVIEW image management platform. Powerful and intuitive, iVIEW provides all controls and functions for the VideoProbe system, with features that allow you to manipulate and store video and still images for precise and easy documentation.

Measurement

Three modes to meet your measurement challenges. The only video borescope to offer ShadowProbe®, StereoProbe® and Comparison measurement capabilities. ProView image enhancement and zoom window features allow precise cursor placement.

ShadowProbe Technology
Use the ShadowProbe's patented shadow projection triangulation method to accurately perform Distance, Skew, Depth, Area, Multi-Segment Length, Point-to-Line and Circle Gauge measurements.

StereoProbe Technology
StereoProbe measurement is essential for inspecting curved and irregular surfaces. Using dual-image technology, views are taken from two angles and automatically analyzed for maximum accuracy. StereoProbe measurements include: Length, Point-to- Line, Depth, Area, and Multi-Segment Length.

Comparison Measurement
Built-in Comparison Measurement software lets you measure items in an image field using known dimensions of another object in that field. Comparison measurement types include: Length, Point-to-Line, Area, Multi-Segment Length and Circle Gauge.
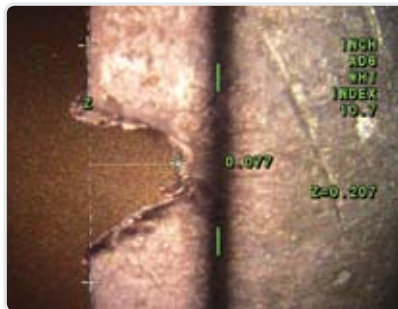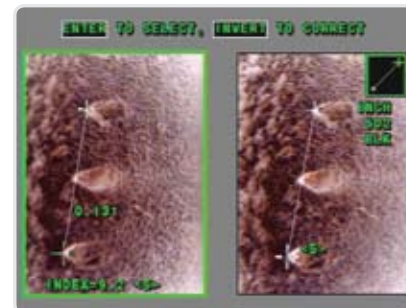

ShadowProbe Measurement
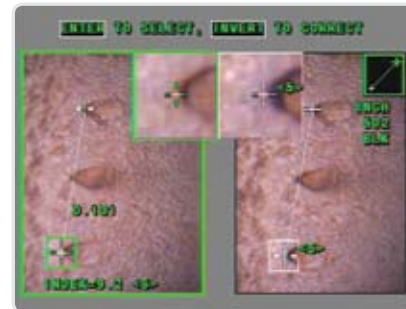
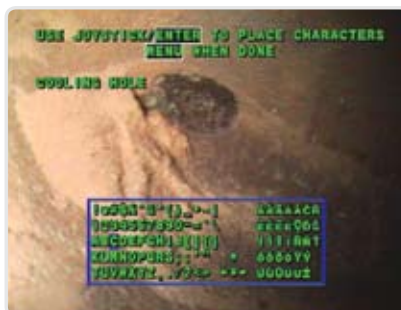StereoProbe Measurement with 3x Zoom Window

Comparison Measurement

StereoProbe with ProView Image Enhancement

The accuracy of all XL PRO measurement systems are verified with calibration equipment that is NIST (National Institute of Standards and Technology) traceable.

File Manager for Thumbnail View

On-Screen Keyboard for Annotation

Split Screen View

International Language Support

XL PRO™ Software Features

Intuitive Drop-Down Menu System
Access the advanced feature set via a drop-down menu system.

Multi-Language Interface
Only the XL PRO system allows you to choose from over nine language options for operation and documentation.

Multi-Function Joystick
The joystick controls probe articulation, menu navigation and measurement functions.

On-Board File Manager
The file manager lets you create and name file folders, then move and store files between folders in internal or external memory.

Integrated Text and Graphics Control
Use an external keyboard or the hand-piece joystick to place text annotation, graphic call-out arrows or company logos onto any live, frozen or recalled image.

Applications / Industries

XL PRO video borescopes help aviation maintenance personnel efficiently inspect engines on- or off-wing

The XL PRO™ system is designed to meet inspection needs across a wide range of industry applications. Whether it's the precise standards of aircraft engine safety compliance, navigating the narrow confines of process piping, or conducting covert surveillance, the XL PRO VideoProbe line offers the right tool for the right application. With the industry's widest selection of optical tips, probe lengths, diameters and measurement capabilities, you can feel confident the XL PRO system is up to the task.

- **Aviation:**
  Commercial, Military, OEM, MRO and Business

- **Power:**
  Nuclear, Fossil, Combustion Turbine, Combined-cycle, Hydro and Wind

- **Process:**
  Offshore, Refining, Chemical, Distribution/Transportation, Food,
  Ultra-pure and Water Treatment

- **Automotive:**
  Manufacturing, Service and OEM

- **Other:**
  Shipping, Law Enforcement

Industrial gas turbine Inspection

Industrial probe inspection of a refinery fin-fan heat exchanger

VideoProbe® inspection of an electric power plant HP Feedwater heater

Law enforcement training exercise using the Covert VideoProbe system

Windmill gear box inspection

XL PRO™ case hoisted by cable to top of windmill

Specialty Probes

Specialized Applications

GE Inspection Technologies knows there are situations that require unique tools to get the job done right. That's why it has developed a range of specialty video borescopes that are built to serve industry-specific requirements. For more information on specialty video borescopes, please go to www.ge.com/inspectiontechnologies.

LongSteer® VideoProbe® System

The world's longest articulating VideoProbe system! Available in lengths up to 30.5 m (100.0 ft.), the LongSteer VideoProbe system is ideal for long runs in small-diameter piping. This probe is available in 6.1 mm and 10.0 mm diameters.

Industrial VideoProbe®

A probe for the darkest, wettest industrial environments. The Industrial VideoProbe system uses interchangeable, water-resistant lenses, combined with a full 360° ring of illumination fiber optics and adjustable tip focus to obtain brilliant, clear images in large pipes and vessels.
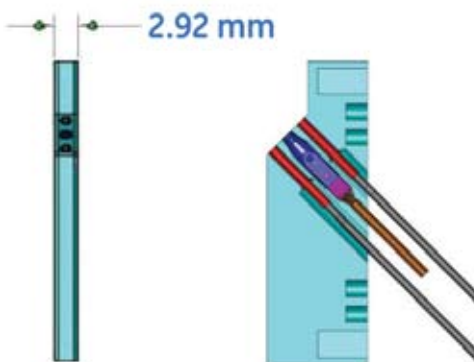
Mini-Probe

A custom probe for narrow passages 2.92 mm wide

Custom Probes

With over 20-years experience at RVI product customization we are committed to providing our customers with the tools they need to get the job done. Just provide us with the details and our Custom Solutions Group will deliver an answer.

High-Purity-Weld VideoProbe

This probe allows for easier manipulation in weld inspection environments. It has a non-articulating supple bending section at the tip that enables insertion through tight pipe bends and 360° inspection of orbital welds. An advanced system pendant which provides additional optional features, including measurement capabilities is available.

Covert VideoProbe

Particularly suited to law enforcement and surveillance operations, this probe incorporates a long-exposure mode for superior viewing in low-light situations. Dedicated controls allow the operator to switch off the lamp and lower the speed of the ventilation fan for diminished noise and reduced detection. The Covert system can also be carried on a Covert Backpack and powered by the PowerBar™ battery pack.

SWAT team training exercise using a Covert VideoProbe system

External Retrieval Tools

External retrieval tools are available for other probe tip diameters. The fork and tine tool is shown here.

Retrieval Tools for 6.2 mm and 7.3 mm diameter probe with internal working channel

Shim

4 mm Magnet

8 mm Magnet

Hook

Measurement Gauge

Snare

3-Prong Grabber

Brush

Large Alligator

Small Alligator

Modular System and Accessories

Mini DV Digital Recorder
or other recording device

XL PRO™ Processor/Light Source

XL PRO Plus Processor/Light Source

Head-mounted
Display

CompactFlash® Card Reader

PS/2 Keyboard for text generation

Expandable Case
for accessories and
working tools

Soft Case for probe-only
storage and shipping

Magic Arm

Mini Magic Arm

Centering Devices

Rigidizer

Gripper

Tip Kits

PowerBar™ Battery Pack

NIST–Traceable
Verification Block

Interchangeable Tip Optics
& Kits

Articulating Guide Tube (Cooling Tubes available)

PC Connectivity/Applications

Advanced User Interface

iVIEW™ Remote XL PRO™

Allows complete remote control of the XL PRO™ system, from across the room or across the world. With the XL PRO system connected to a PC at the inspection site, a remote user with an internet or other network connection can control all menu functions, probe movements and camera capabilities to view, zoom and measure defects.

iVIEW PC

FREE software that extends iVIEW capabilities to your PC. Using a Microsoft® Windows® interface that duplicates the XL PRO system menu functions, users can download workable images to any PC. Manipulate, re-measure, compare, annotate, e-mail images to other locations, review inspection results and automatically generate reports in Microsoft Word format. Download iView PC at www.ge.com/inspectiontechnologies or contact Remote Visual Inspection Customer Service for the CD-ROM.

Software

Operating System:	Real-time multitasking
User Interface:	Simple drop-down menu-driven operation
File Manager:	File and folder creation, naming, copying, deletion
Audio Data:	PC compatible, 15 second files (.WAV format)
Image Controls:	Handset brightness control – gain and exposure
Image Management:	Single button freeze frame, Full or Split screen
Exposure Control:	Automatic or Manual (34 msec to 8 seconds)
Digital Zoom:	1X to 3X – Continuous and 5-Level Stepped
Still Image Formats:	BITMAP or JPEG (Super High, High or Low .JPG)
Video Record Formats:	MPEG2 (High or Low), MPEG1 (High, Med or Low)
Annotation:	Text and Graphic screen overlays and custom logos
Articulation Controls:	All-Way® steering, Steer/Stay, Home, Fine or Coarse
Lamp Control:	Manual brightness and software On/Off
Software Updates:	Field upgradeable via removable media
Remote Control:	PC control via iVIEW™ Remote XL PRO™ application
Temperature Warning:	Integrated camera temperature warning system

Languages

User selectable: English, Spanish, French, German, Italian, Russian, Japanese, Swedish, Portuguese and Chinese

Measurement

Supported Measurement Features

| Feature	ShadowProbe®	StereoProbe®	Comparison
Length/Distance	■	■	
Depth	■	■	
Point to Line	■	■	■
Skew	■		
Area	■	■	■
Multi-Segment Length	■	■	
Circle Gauge	■		■
3x Zoom Windows	■	■	■
5 Measurements per image	■	■	

Optical Tips

| Tip View (DOV)	Tip Color	Field of View (FOV)*	Depth of Field (DOF)	Magnification** 13" Monitor/5" LCD	3.9 mm Optical Tip Part #	5.0 mm Optical Tip Part #	6.1 mm Optical Tip Part #	6.2 mm Optical Tip Part #	7.3 mm Optical Tip Part #	8.4 mm Optical Tip Part #
Standard										
FORWARD	NONE ⊠	80°	6–80 mm (0.24–3.15 in.)	37X / 15X	PXT480FG					
FORWARD	NONE ⊠	50°	50 mm (1.97 in.)–infinity	10X / 4X		PXT550FF	XT650FF		PXT750FF	XT850FF
FORWARD	WHITE ○	50°	12–200 mm (0.47–7.87 in.)	30X / 11X		PXT550FG	PXT650FG		PXT750FG	PXT850FG
FORWARD	YELLOW ●	90°	20 mm (0.79 in.)–infinity	12X / 5X			PXT690FF			PXT890FF
FORWARD	ORANGE ●	80°	3–20 mm (0.12–0.79 in.)	70X / 27X		PXT580FN	PXT680FN			
FORWARD	BLACK ●	100°	5–120 mm (0.20–4.72 in.)	45X / 17X		PXT5100FG	PXT6100FG		PXT7100FG	PXT8100FG
FORWARD	NONE ⊠	40°	100 mm (3.94 in.)–infinity	10X / 4X				PXT6240FF		
FORWARD	YELLOW ●	120°	25 mm (0.98 in.)–infinity	7X / 3X				PXT62120FF		
FORWARD	BLACK ●	120°	4–190 mm (0.16–7.48 in.)	33X / 13X				PXT62120FN		
SIDE	BROWN ●	80°	4–80 mm (0.16–3.15 in.)	37X / 15X	PXT480SG					
SIDE	BROWN ●	50°	45 mm (1.77 in.)–infinity	10X / 4X			PXT650SF		PXT750SF	XT850SF
SIDE	GREEN ●	50°	9–160 mm (0.35–6.30 in.)	30X / 11X		PXT550SG	PXT650SG		PXT750SG	PXT850SG
SIDE	RED ●	80°	1–20 mm (0.04–0.79 in.)	70X / 27X		PXT580SN	PXT680SN		PXT780SN	PXT880SN
SIDE	BLUE ●	100°	4–100 mm (0.16–3.94 in.)	30X / 11X		PXT5100SG	PXT6100SG		PXT7100SG	PXT8100SG
45° (FORWARD / OBLIQUE)	PURPLE ●	50°	12–80 mm (0.47–3.15 in.)	30X / 11X			PXT650FB			
WIDE ANGLE***	NONE ⊠	220°	3–50 mm (0.12–1.97 in.)				PXT6220FN			
ShadowProbe® Measurement										
FORWARD	WHITE ○	50°	12–30 mm (0.47–1.18 in.)	30X / 11X			PXT650FG		PXTM750FG	
SIDE	GREEN ●	50°	12–35 mm (0.47–1.38 in.)	30X / 11X			PXT650SG		PXTM750SG	
SIDE	BLUE ●	50°	7–24 mm (0.28–0.94 in.)	50X / 19X			PXT650SN		PXTM750SN	
StereoProbe® Measurement										
FORWARD	BLACK ●	60°/60°	4–80 mm (0.16–3.15 in.)	37X / 15X		PXTM56060FG	PXTM66060FG		PXTM76060FG	
FORWARD	BLACK ●	50°/50°	5–45 mm (0.20–1.77 in.)	44X / 14X	PXTM45050FG					
FORWARD	BLACK ●	60°/60°	5 mm (0.20 in.)–infinity	30X / 12X				PXTM626060FG		
SIDE	BLUE ●	50°/50°	2–50 mm (0.08–1.97 in.)	37X / 15X			PXTM65050SG		PXTM75050SG	
SIDE	BLUE ●	45°/45°	2–50 mm (0.08–1.97 in.)	45X / 17X		PXTM54545SG				
SIDE	BLUE ●	50°/50°	4–45 mm (0.16–1.77 in.)	44X / 14X	PXTM45050SG					
SIDE	BLUE ●	60°/60°	4 mm (0.16 in.)–infinity	30X / 12X				PXTM626060SG		

*FOV is specified diagonally.

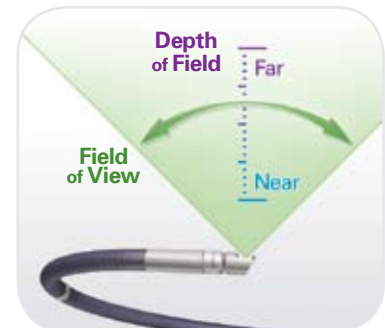**Magnification specifications at near-side of tip Depth of Field.

*** Outer Ø 8.4 mm for use with 6.1 mm Ø VideoProbe®
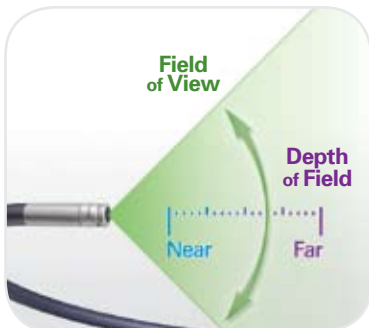
Forward-View Optical Tip
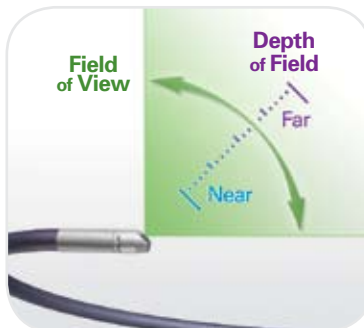
Forward/Oblique-View Optical Tip

Side-View Optical Tip

Technical Specifications

System
Case Dimensions: 55.9 x 55.9 x 26.7 cm (22.0 x 22.0 x10.5 in.)
Weight: In case 15.9 kg (35.0 lbs.)
Without case 7.7 kg (17.0 lbs.)
Power Supply: AC Power Nominal input: 100-240 V (min 90 V, max 250 V); 50-400 Hz; 150 W max, 2 A max
DC Power Nominal input: 11-14 V, 11 A max +28 VDC via accessory adapter

Camera
5.0, 6.1, 7.3 and 8.4 mm ø VideoProbes
Image Sensor: 1/6 in. Color SUPER HAD™ CCD
Pixel Count: 380,000 pixels NTSC; 440,000 pixels PAL
Long Exposure: Automatic or Manual (34 msec to 12 seconds)
White Balance: Factory default or user defined
Housing: 5.0, 6.1, 7.3 mm – Titanium; 8.4 mm – Stainless Steel

3.9 and 6.2 mm ø VideoProbe
Image Sensor: 1/10 in. Color SUPER HAD CCD
Pixel Count: 250,000 pixels NTSC; 290,000 pixels PAL
Long Exposure: Automatic or Manual (34 msec to 12 seconds)
White Balance: Factory default or user defined
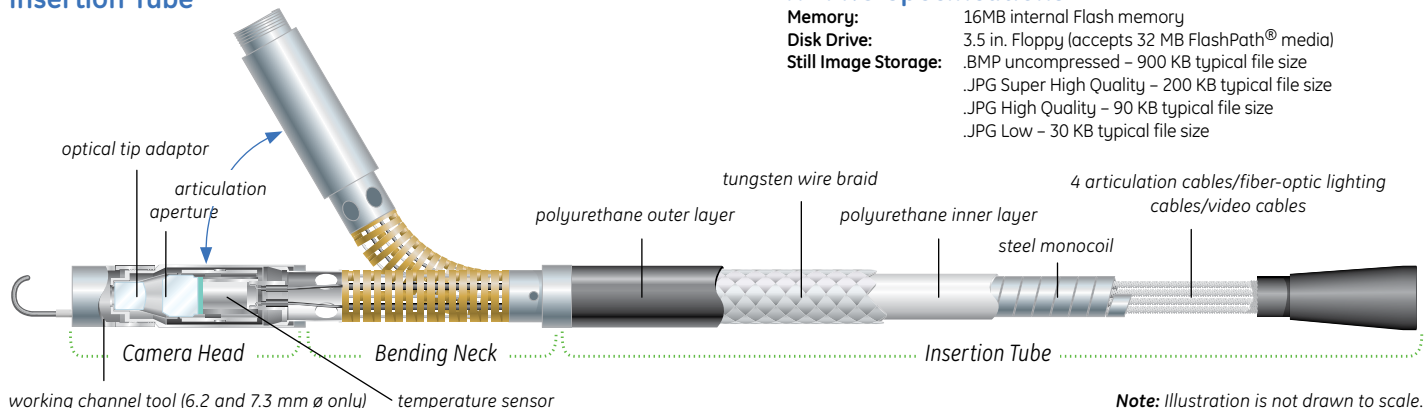**Housing:** Titanium

Hand-Piece
Dimensions: 30.5 x 14.7 x 12.7 cm (12.0 x 5.8 x 5.0 in.)
Weight: 2.3 kg (5.1 lbs.) typical; includes insertion tube, power plug, power tube and hand-piece
Power Tube: 1.52 m (5.0 ft.)
Construction: ABS housing with integrated Santoprene® bumpers
LCD Monitor: 12.7 cm (5.0 in.) diagonal integrated TFT color LCD
Articulation: 360º All-Way® servo-motor tip articulation
User Controls: Joystick and complete button function set
Microphone: Integrated high-sensitivity microphone

Tip Articulation

Length	Straight Tube
4.5 m and less	Up/Down – 140° min, Left/Right – 140° min
6.0 m	Up/Down – 120° min, Left/Right – 120° min
7.5 m	Up/Down – 110° min, Left/Right – 110° min

Note: Typical articulation exceeds minimum specifications

Operating Environment
Tip Operating Temp: -25º to 80ºC (-13º to 176ºF)
System Operating Temp: -20º to 46ºC (-4º to 115ºF)
Storage Temperature: -25º to 60ºC (-13º to 140ºF)
Relative Humidity: 95% max
Waterproof: Insertion tube and tip to 1 bar (14.7 psig, 10.2 m of H2O, 33.5 ft H2O)
Hazardous Environments: Not rated for use in hazardous environments

Processor/Light Source
Dimensions: 27.9 W x 29.5 D x 14.0 H cm (11.0 x 11.6 x 5.5 in.)
Weight: 5.4 kg (12.0 lbs.)
Construction: Aluminum chassis with polyurethane bumpers
Processor: 32 bit Pentium®-class embedded computer
Brightness Control: Automatic and Variable
Lamp Type: 50 W Metal-Halide Arc
Lamp Output: 2600 lumens at 5885K
Lamp Life: 1000 hrs., median
Keyboard Input: PS/2 style keyboard connector
Audio Speaker: Built-in front panel speaker with volume control knob
Audio Out Jack: RCA style connector, line-level audio out
Video Input: S-Video and Composite BNC (XL PRO only) inputs
Video Output: S-Video and USB 1.1 streaming digital video
Remote Control: RS-232, DB-9F Connector
Memory: 64MB internal Flash memory
Disk Drives: CompactFlash®, Type I, accepts all memory sizes
Still Image Storage: .BMP uncompressed – 900KB typical file size
.JPG Super High Quality – 200KB typical file size
.JPG High Quality – 90KB typical file size
.JPG Low – 30KB typical file size
Video Recording: MPEG2: High and Low Quality Settings
Up to 42 minutes recording on High w/1GB CF card
MPEG1: High, Medium and Low Quality Settings
Up to 92 minutes recording on Med w/1GB CF card

XL PRO™ Plus Specifications
Memory: 64MB internal Flash memory
Disk Drives: CompactFlash®, Type I, accepts all memory sizes
Still Image Storage: .BMP uncompressed – 900 KB typical file size
.JPG Super High Quality – 200 KB typical file size
.JPG High Quality – 90 KB typical file size
.JPG Low – 30 KB typical file size
Video Recording: MPEG2: High and Low Quality Settings, Up to 42 minutes recording on High w/1GB CF card
MPEG1: High, Medium and Low Quality Settings, Up to 92 minutes recording on Med w/1 GB CF card
Video Output: S-Video and USB 1.1 streaming digital video

XL PRO Specifications
Memory: 16MB internal Flash memory
Disk Drive: 3.5 in. Floppy (accepts 32 MB FlashPath® media)
Still Image Storage: .BMP uncompressed – 900 KB typical file size
.JPG Super High Quality – 200 KB typical file size
.JPG High Quality – 90 KB typical file size
.JPG Low – 30 KB typical file size

Insertion Tube

optical tip adaptor
articulation aperture
tungsten wire braid
polyurethane outer layer
polyurethane inner layer
4 articulation cables/fiber-optic lighting cables/video cables
steel monocoil

Camera Head — Bending Neck — Insertion Tube

working channel tool (6.2 and 7.3 mm ø only)   temperature sensor

Note: Illustration is not drawn to scale.

PRODUCT	CAMERA DIAMETER	INSERTION TUBE WORKING LENGTH								
VideoProbe® XL PRO™ Plus	3.9 mm (0.154 in.)	1.5 m (4.9 ft.)	2.0 m (6.6 ft.)	2.5 m (8.2 ft.)	3.0 m (9.8 ft.)					
	5.0 mm (0.197 in.)	1.5 m (4.9 ft.)	2.0 m (6.6 ft.)	2.5 m (8.2 ft.)	3.0 m (9.8 ft.)					
	6.2 mm (0.244 in.)			2.6 m (8.5 ft.)	3.2 m (10.5 ft.)	Full selection of retrieval tools available.				
	7.3 mm (0.287 in.)			2.6 m (8.5 ft.)	3.2 m (10.5 ft.)	Full selection of retrieval tools available.				
	6.1 mm (0.240 in.)	1.5 m (4.9 ft.)	2.0 m (6.6 ft.)	2.5 m (8.2 ft.)	3.0 m (9.8 ft.)	4.5 m (14.8 ft.)	6.0 m (19.7 ft.)	7.5 m (24.6 ft.)	9.6 m (31.5 ft.)	Full selection of retrieval tools available.
	8.4 mm (0.331 in.)	1.5 m (4.9 ft.)	2.0 m (6.6 ft.)		3.0 m (9.8 ft.)	4.5 m (14.8 ft.)	6.0 m (19.7 ft.)	7.5 m (24.6 ft.)	Full selection of retrieval tools available.	
Industrial VideoProbe®	8.4 mm (0.331 in.)		2.0 m (6.6 ft.)		3.0 m (9.8 ft.)	4.5 m (14.8 ft.)	6.0 m (19.7 ft.)	7.5 m (24.6 ft.)	9.0 m (30.0 ft.)	18.0 m (59.0 ft.)
LongSteer® VideoProbe®	6.1 mm (0.240 in.)							12.2 m (40.0 ft.)	18.3 m (60.0 ft.)	
	10.0 mm (0.394 in.)	8.4 mm bending neck and head can						12.2 m (40.0 ft.)	18.3 m (60.0 ft.)	30.5 m (100.0 ft.)

XL PRO™ and XL PRO Plus Models

	XL PRO Models				XL PRO Plus Models	
	PXL Base	PXLD Digital	PXLA Advanced	PXLM Measurement	PXLA Advanced	PXLM Measurement
Basic System Functions						
Shipping/Operating Case	■	■	■	■	■	■
All-Way® Tip Articulation	■	■	■	■	■	■
Probe Interchangeability – 5 Diameters	■	■	■	■	■	■
Interchangeable Tip Optics	■	■	■	■	■	■
Tungsten Braid Insertion Tube and Bending Neck	■	■	■	■	■	■
Lamp Brightness Control	■	■	■	■	■	■
50W Metal-Halide Light Source	■	■	■	■	■	■
Color LCD – 12.7 cm (5.0 in.) active matrix TFT	■	■	■	■	■	■
AC or DC Power Operation	■	■	■	■	■	■
Processor / Light Source Functions						
Temperature Warning System (select diameters)		■	■	■	■	■
Long Exposure Mode			■	■	■	■
Language Selection		■	■	■	■	■
Split-Screen Viewing			■	■	■	■
Digital Zoom – 3X		■	■	■	■	■
Text Annotation		■	■	■	■	■
Voice Annotation		■	■	■	■	■
Arrow Annotation		■	■	■	■	■
Internal Flash Memory – 64MB					■	■
Internal Flash Memory – 16MB		■	■	■		
Floppy Disk Drive storage		■	■	■		
CompactFlash® storage					■	■
Still Image Recording		■	■	■	■	■
Video Recording – Full Motion					■	■
Live Audio Output		■	■	■	■	■
Live Video Output	■	■	■	■	■	■
Video Input		■	■	■	■	■
USB Streaming Video port					■	■
Measurement Functions						
ShadowProbe® Measurement – 7 Types				■		■
StereoProbe® Measurement – 5 Types				■		■
Comparison Measurement – 5 Types			■	■	■	■
ProView Enhanced Viewing			■	■		
3X Zoom Windows for cursor placements			■	■	■	■
Computer Interface						
iView™ PC		■	■	■	■	■
iView Remote		■	■	■	■	■

For more information about how the XL PRO™/XL PRO Plus VideoProbe® system can enhance your inspection efforts, visit www.ge.com/inspectiontechnologies.

www.ge.com/inspectiontechnologies

Standards Compliance
Every Measurement System is supplied with a Certificate of Compliance which indicates that the probe was manufactured and tested to measurement standards traceable to NIST (National Institute of Standards and Technology). Further, every Measurement System is supplied with a measurement verification block which contains test targets which are NIST traceable.

C E   **ISO 9001**
REGISTERED COMPANY

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